

## Division of Traffic Engineering Facts and Information

The Division of Traffic Engineering is divided into three distinct sections:

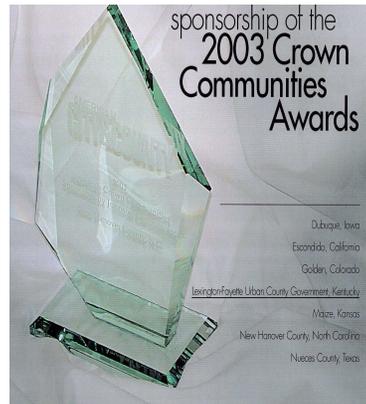
- Computerized Traffic Signals
- New Development, Street Lighting, & Signal Construction
- Neighborhood Traffic Management Program (NTMP) and Roadway Signs

### FACTS:

- There is \$31 million in traffic signal related infrastructure in Lexington.
- There are 372 traffic signals, 18 reversible lane use control signals, and 45 school area flashers in Fayette County.
- Nine (9) traffic signal technicians and three (3) traffic engineers provide the operations, maintenance and timing for all traffic signals.
- There are 1,225 in-pavement vehicle detection loops at Fayette County traffic signals. There are also 282 video detection cameras at traffic signalized intersections.
- The Fiber Optic Cable Installation program is in its 10th year. Seventy (70) miles of fiber optic cable has been installed.
- There are 82 traffic monitoring cameras located at or near the heaviest traffic volume intersections in Fayette County.
- The division works closely with the Divisions of Police, and Fire and Emergency Medical Services on incidents that impact traffic flow in the community.

### AWARDS:

- American Public Works Association – KY Chapter Advanced Communication Network Technology Category Award Traffic Control Center 2009
- LFUCG Safety Award – 2009
- LFUCG Energy Efficiency Award - 2005
- 2003 America's Crown Communities



## Lexington-Fayette Urban County Government Division of Traffic Engineering Traffic Management Center



### Lexington's Traffic Management Goals

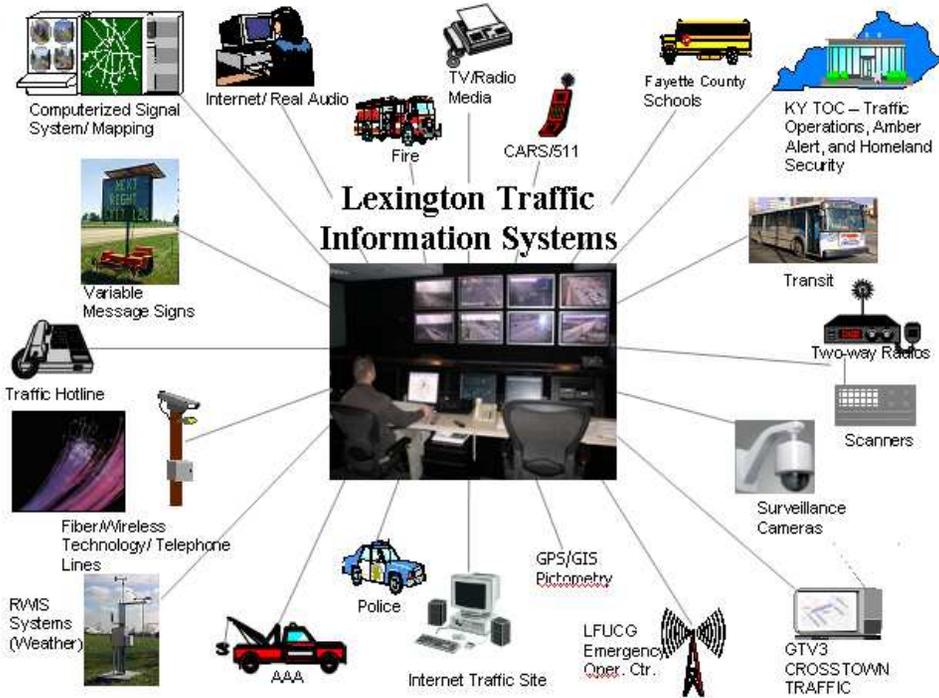
- Enhance roadway safety
- Improve air quality
- Reduce travel time

Traffic Management Center

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## Traffic Management Center



## Incidents Reported

There are 250 non-recurring incidents daily in Lexington.

Collisions

Emergency Runs

Lane Blockages



- Real-time traffic information concerning incidents is provided to motorists to make driving decisions that result in a safer and more efficient commute.
- Traffic engineers adjust traffic signal timing to minimize delays in affected areas and assist in the safety of emergency responders.

## Traffic Related Improvements

Pedestrian Countdown Signals



Pedestrians are able to see how much time remains to cross the street.

LED Lighting



\$10,000 savings per month in electrical costs over previous traffic signals.

2070 Traffic Signal Controllers



- Improves traffic flow by providing more signal phasing options and sequences.
- Better time keeping ability.
- Improves programming for faster field improvement implementation.

Audible Pedestrian Signals



Designed for visually impaired individuals.

Flashing Yellow Arrow Signals



- Helps reduce crashes at intersections.
- Clearly signals to drivers that they can turn only when there is no oncoming traffic.
- Helps increase traffic flow efficiency.